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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/099,641	03/15/2002	Wilbur G. Catabay	99-102/1D	4975	
24319	7590 01/31/2003				
LSI LOGIC CORPORATION 1621 BARBER LANE			EXAMINER		
MS D-106, I	EGAL DEPARTMENT		KILDAY,	KILDAY, LISA A	
MILPITAS, CA 95035			ART UNIT	PAPER NUMBER	
			2829		

DATE MAILED: 01/31/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

· ·		Uh.				
	Application No.	Applicant(s)				
_	10/099,641	CATABAY ET AL.				
Office Action Summary	Examiner	Art Unit				
	Lisa A Kilday	2829				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the d	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
1) Responsive to communication(s) filed on 3/15	<u>V02</u> .					
2a) ☐ This action is FINAL . 2b) ☑ Thi	is action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>15-19</u> is/are pending in the applicatio	n.					
4a) Of the above claim(s) is/are withdray	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>15-19</u> is/are rejected.						
7) Claim(s) is/are objected to.	Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or Application Papers	r election requirement.					
9)☐ The specification is objected to by the Examiner	r.					
10) The drawing(s) filed on is/are: a) accep	ted or b)⊡ objected to by the Exa	miner.				
Applicant may not request that any objection to the	e drawing(s) be held in abeyance. S	ee 37 CFR 1.85(a).				
11) The proposed drawing correction filed on	is: a)☐ approved b)☐ disappro	oved by the Examiner.				
If approved, corrected drawings are required in rep	ly to this Office action.					
12) The oath or declaration is objected to by the Exa	aminer.					
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) All b) Some * c) None of:						
1. Certified copies of the priority documents						
2. Certified copies of the priority documents						
3. Copies of the certified copies of the prior application from the International But* See the attached detailed Office action for a list	reau (PCT Rule 17.2(a)).	•				
14) Acknowledgment is made of a claim for domestic	c priority under 35 U.S.C. § 119(e) (to a provisional application).				
 a) ☐ The translation of the foreign language pro 15)☒ Acknowledgment is made of a claim for domesti 	• •					
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2. 	5) Notice of Informal	y (PTO-413) Paper No(s) Patent Application (PTO-152)				
.S. Patent and Trademark Office						

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Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 15-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Jeng (5,281,621). In re claims 15-16, 18-19, Jeng discloses in figs. 1-4 a composite layer of low k silicon oxide dielectric material (22) on an oxide layer (12) of an IC (fig. 1), said composite layer of low k silicon oxide dielectric material exhibiting void-free deposition properties (col. 4 lines 1-5), comprising: a first layer of low k silicon oxide dielectric material exhibiting void-free deposition properties (22); and a second layer of low k silicon oxide dielectric material (24) to a desired thickness.

In re claim 17, Jeng discloses a composite layer of low k carbon doped silicon oxide (22, col. 1 lines 45-55, table in col. 5) exhibiting void-free deposition properties, comprising: a first layer of low k carbon-doped silicon oxide dielectric (22); and a second layer of carbon-doped low k silicon oxide (24) by PECVD (col. 4 lines 63-65).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kim et al. (5,302,233), Jeng et al. (5,818,111), Jeng (5,708,303), Roche et al. (5,913,140), & Andideh (6,191,050).

Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist whose telephone number is (703) 308-0957. See MPEP 203.08.

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Any inquiry concerning this communication from the examiner should be directed to Lisa Kilday whose telephone number is (703) 306-5728. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo, can be reached on (703) 308-1233. The fax number for the group is (703) 305-3432. MPEP 502.01 contains instructions regarding procedures used in submitting responses by facsimile transmission.

Lisa Kilday

LAK

1/23/03

KAMAND CUNEO

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